

AMENDMENT UNDER 37 C.F.R. § 1.116
Application Serial No. 09/778,015
Attorney Docket No. Q62980

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A lens drive device comprising:
a lens holder to which an objective lens and a plurality of drive coils are fixed, and
a plurality of wire-form elastic members made of a metal, for supporting said lens holder,
in which said drive coils are energized through said wire-form elastic members,
wherein said drive coils are arranged on both sides of said objective lens, said lens holder
is integrally molded out of a resin with a connection wires-wire that lies between said drive coils
for connecting said drive coils electrically and wherein said lens holder has fixing arms for
connecting said wire-form elastic members and said connection wire to said lens
holder respectively, and an end of each of said wire-form elastic members is buried within each
of said fixing arms.

2. (previously presented): A lens drive device according to Claim 1, wherein said lens
holder is molded integrally with said connection wires while containing at least portions of said
connection wires and while being exposed at its two ends, so that said exposed portions are
connection terminals to said drive coils.

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3. (currently amended): A lens drive device in which a lens holder and a suspension base are insert molded out of a resin on the two end sides of a plurality of wire-form elastic members made of a metal such that portions of said plurality of wire form elastic members are embedded within said lens holder and said suspension base, in which an objective lens and a plurality of drive coils are fixed on said molded lens holder, and in which said drive coils are energized through said wire-form elastic members,

wherein said wire-form elastic members are provided at their one-side ends with connection terminals which are partially exposed from said lens holder and connected with said drive coils, and

wherein said drive coils are arranged on both sides of said objective lens, and a connection wires-wire that lies between said drive coils for electrically connecting said drive coils are-is integrally molded while being contained in said lens holder.

4. (original): A lens drive device according to Claim 3,

wherein said connection wires are provided at their two ends with connection terminals to be connected with said drive coils, and

wherein said connection terminals are exposed from said lens holder.

5. (currently amended): A suspension unit for a lens drive device, comprising a lens holder and a suspension base,

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wherein said lens holder and said suspension base are insert molded out of a resin on the two end sides of a plurality of wire-form elastic members made of a metal such that portions of said plurality of wire form elastic members are embedded within said lens holder and said suspension base, and

wherein drive coils are arranged on both sides of an objective lens, and a connection wires-wire that lies between said drive coils for electrically connecting said drive coils to be fixed on said lens holder ~~are~~ is integrally molded while being contained in said lens holder.

6. (withdrawn): A method for manufacturing a lens drive device, in which a lens holder for fixing an objective lens and a plurality of drive coils to be electrically connected through connection wires thereon and a suspension base are jointed through a plurality of wire-form elastic members made of a metal, to support said lens holder movably and to energize said drive coils through said wire-form elastic members, comprising:

a first step of positioning said wire-form elastic members and said connection wires in predetermined positional relations;

a second step of molding a lens holder of a resin integrally with said wire-form elastic members and said connection wires on one-end side of said wire-form elastic members and a suspension base of a resin integrally with said wire-form elastic members at the other end of said wire-form elastic members; and

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a third step of fixing said objective lens and said drive coils on said lens holder and connecting said wire-form elastic members made and the terminals of said connecting parts with the terminals of said drive coils.

7. (withdrawn): A lens drive device manufacturing method according to Claim 6, wherein said wire-form elastic members and said connection wires are jointed and positioned relative to each other through joint parts at said first step and said second step, further comprising a step of cutting said joint parts between said second step and said third step.